

Title (en)

NOVEL AUREOBASIDIUM SP. MICROORGANISMS, METHOD FOR PREPARING ERYTHRITOL WITH THE SAME

Publication

EP 0262463 B1 19930310 (EN)

Application

EP 87113002 A 19870905

Priority

- JP 2471687 A 19870206
- JP 21066986 A 19860909

Abstract (en)

[origin: EP0262463A2] Biologically pure culture of Aureobasidium sp. SN-124A strain (FERM BP-1429) and artificial mutants thereof according to the present invention show the properties of forming and accumulating erythritol in a culture solution, when aerobically cultured on a liquid culture medium containing an assimilable carbon source and as assimilable nitrogen source, and are useful for the preparation of erythritol by fermentation of sugars. A method for preparing erythritol by fermentation of sugars according to the present invention comprises inoculating microorganism selected from the group consisting of Aureobasidium sp. SN-124A strain (FERM BP-1429) and mutants thereof on a liquid culture medium of pH 4 to 9 containing an assimilable carbon source and an assimilable nitrogen source, and aerobically culturing them at a temperature of 30 to 38 DEG C to form and accumulate erythritol in said culture medium for collection.

IPC 1-7

C12N 1/14; **C12P 7/18**

IPC 8 full level

C12N 1/02 (2006.01); **C12P 7/18** (2006.01)

CPC (source: EP KR US)

C12N 1/02 (2013.01 - KR); **C12N 1/145** (2021.05 - EP US); **C12P 7/18** (2013.01 - EP US); **C12R 2001/645** (2021.05 - EP US); **Y10S 435/911** (2013.01 - EP US)

Cited by

EP1221478A3; EP0525659A3; US6030820A; EP0908523A3; US6262318B1

Designated contracting state (EPC)

BE DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0262463 A2 19880406; **EP 0262463 A3 19890614**; **EP 0262463 B1 19930310**; AU 600749 B2 19900823; AU 7776887 A 19880317; CA 1301684 C 19920526; DE 3784611 D1 19930415; DE 3784611 T2 19931014; DK 168490 B1 19940405; DK 467987 A 19880310; DK 467987 D0 19870908; KR 880010116 A 19881007; KR 900007936 B1 19901023; US 4939091 A 19900703; US 5036011 A 19910730

DOCDB simple family (application)

EP 87113002 A 19870905; AU 7776887 A 19870902; CA 546076 A 19870903; DE 3784611 T 19870905; DK 467987 A 19870908; KR 870009963 A 19870909; US 50493890 A 19900405; US 8885887 A 19870824